

FIG. 1a (PRIOR ART)

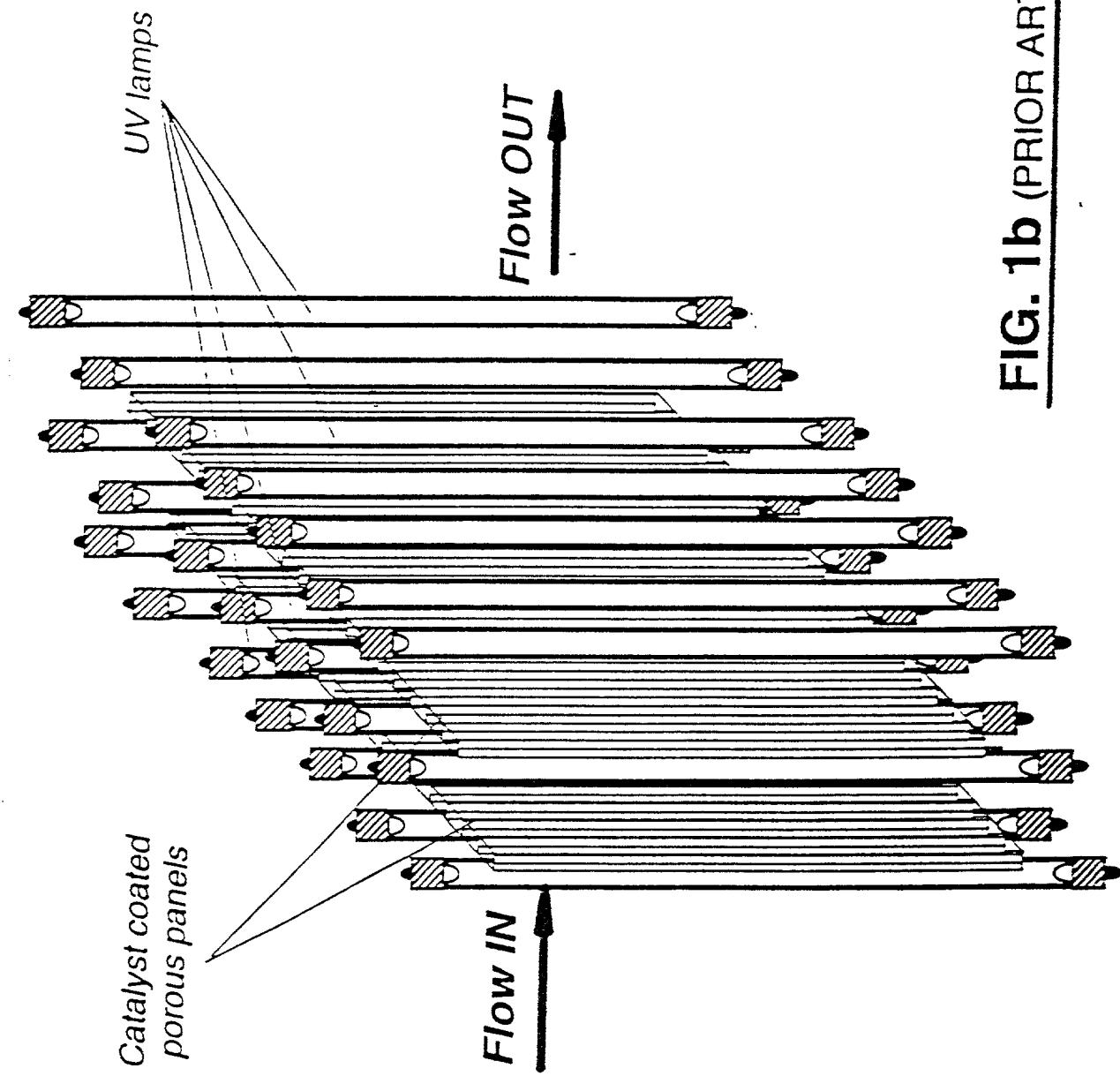


FIG. 1b (PRIOR ART)

FIG. 1C (PRIOR ART)

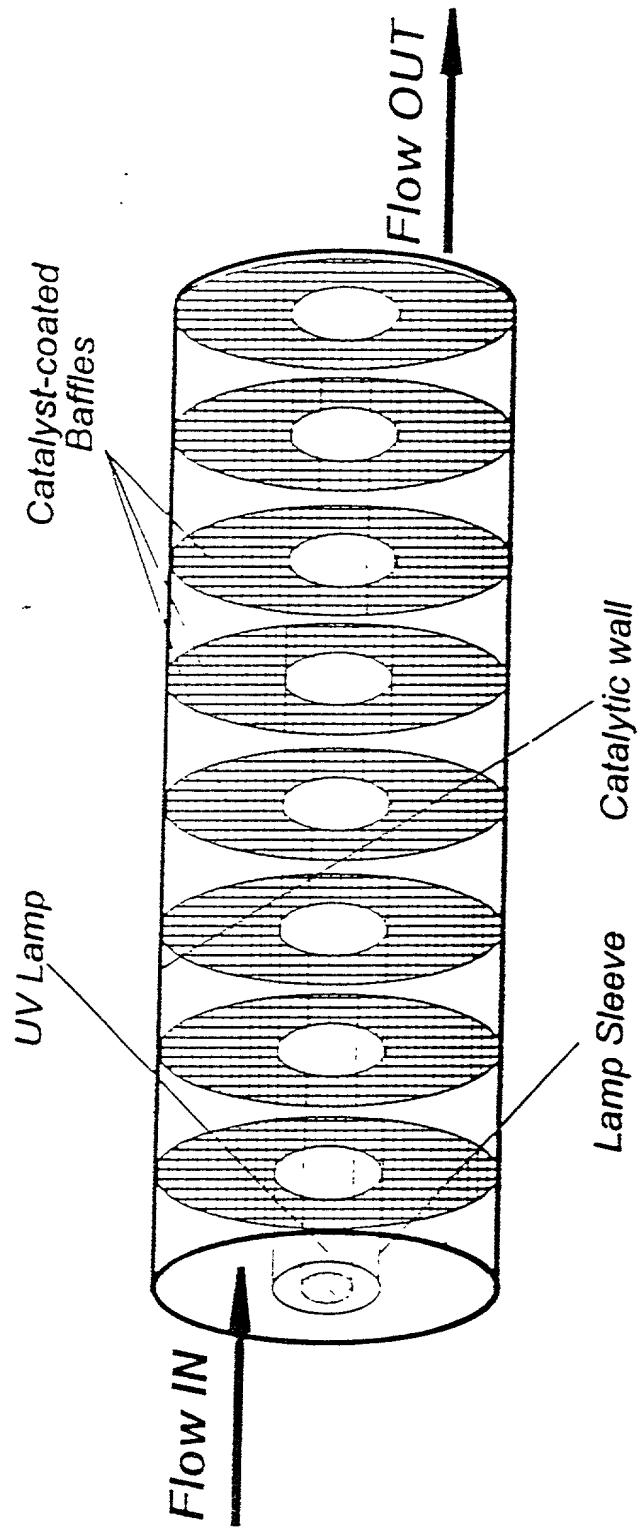


FIG. 2

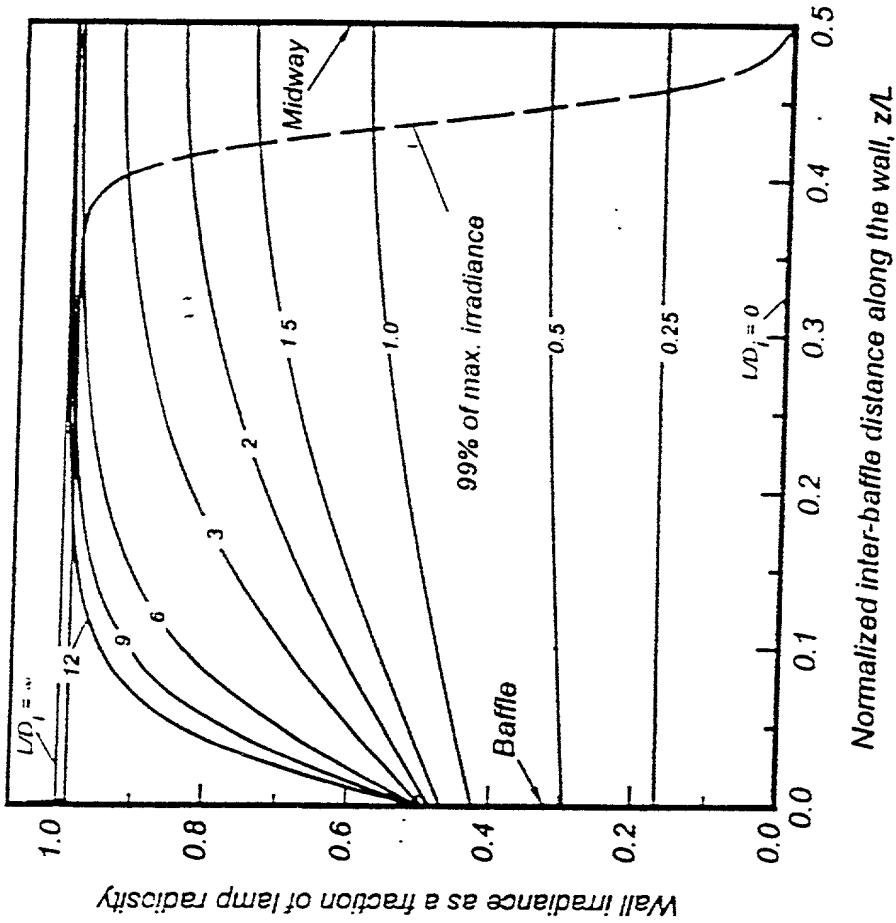


FIG. 3

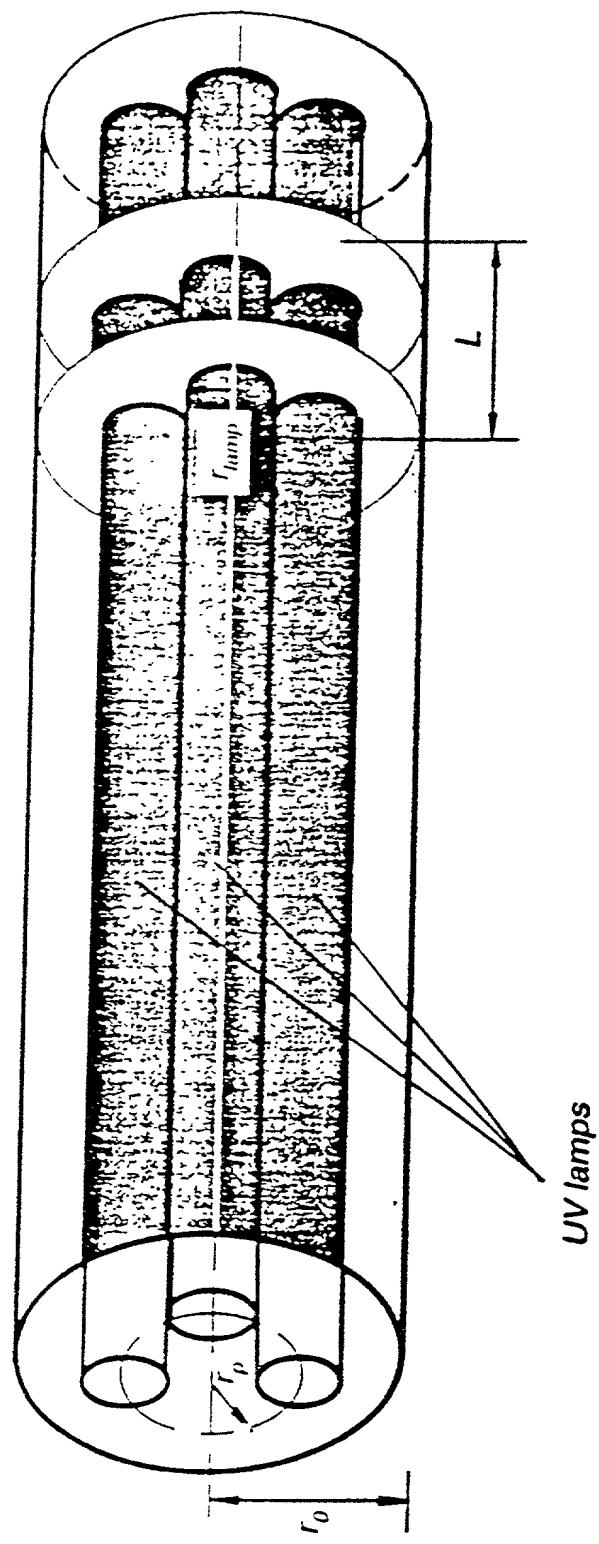


FIG. 4a

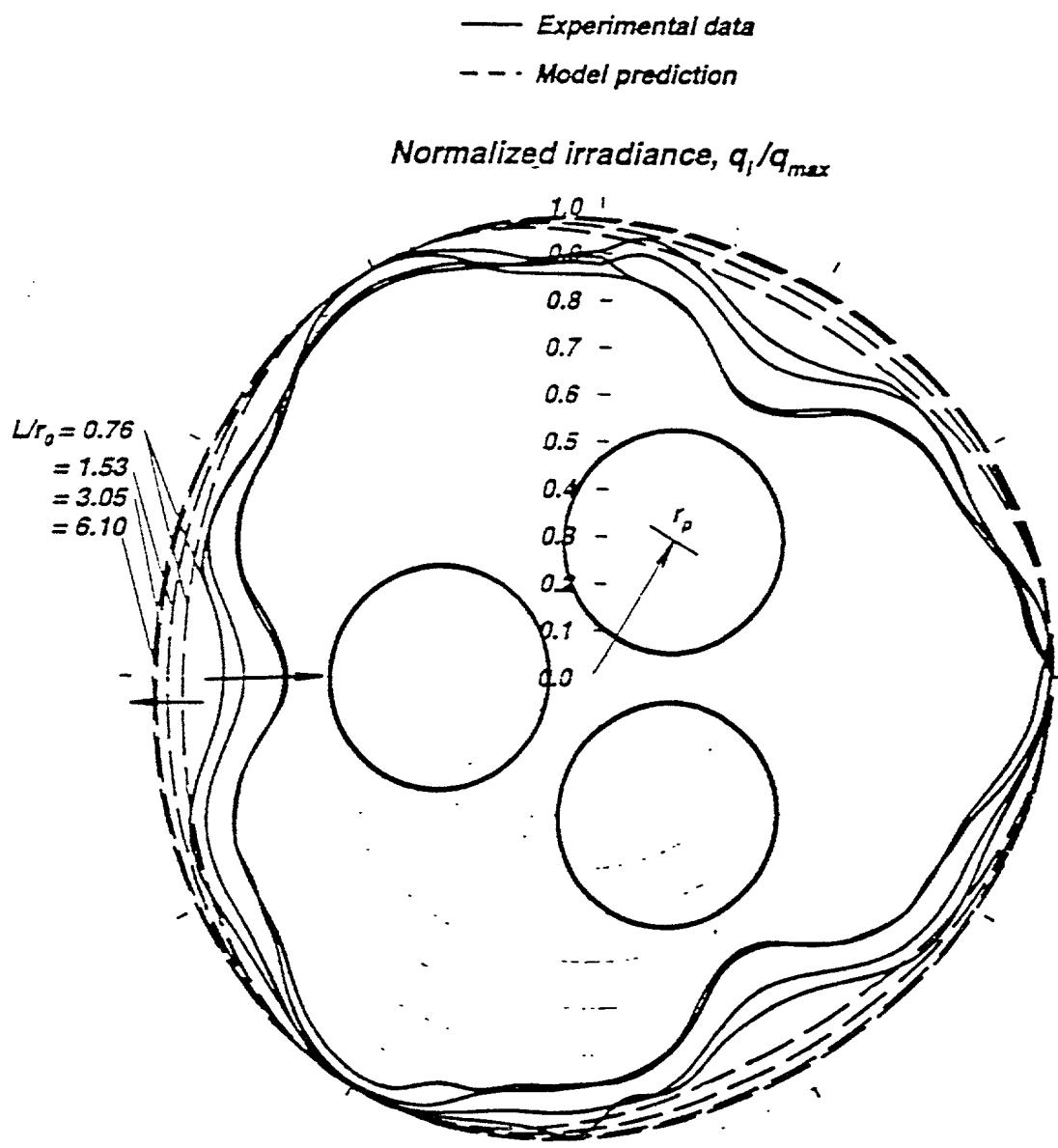


FIG. 4b

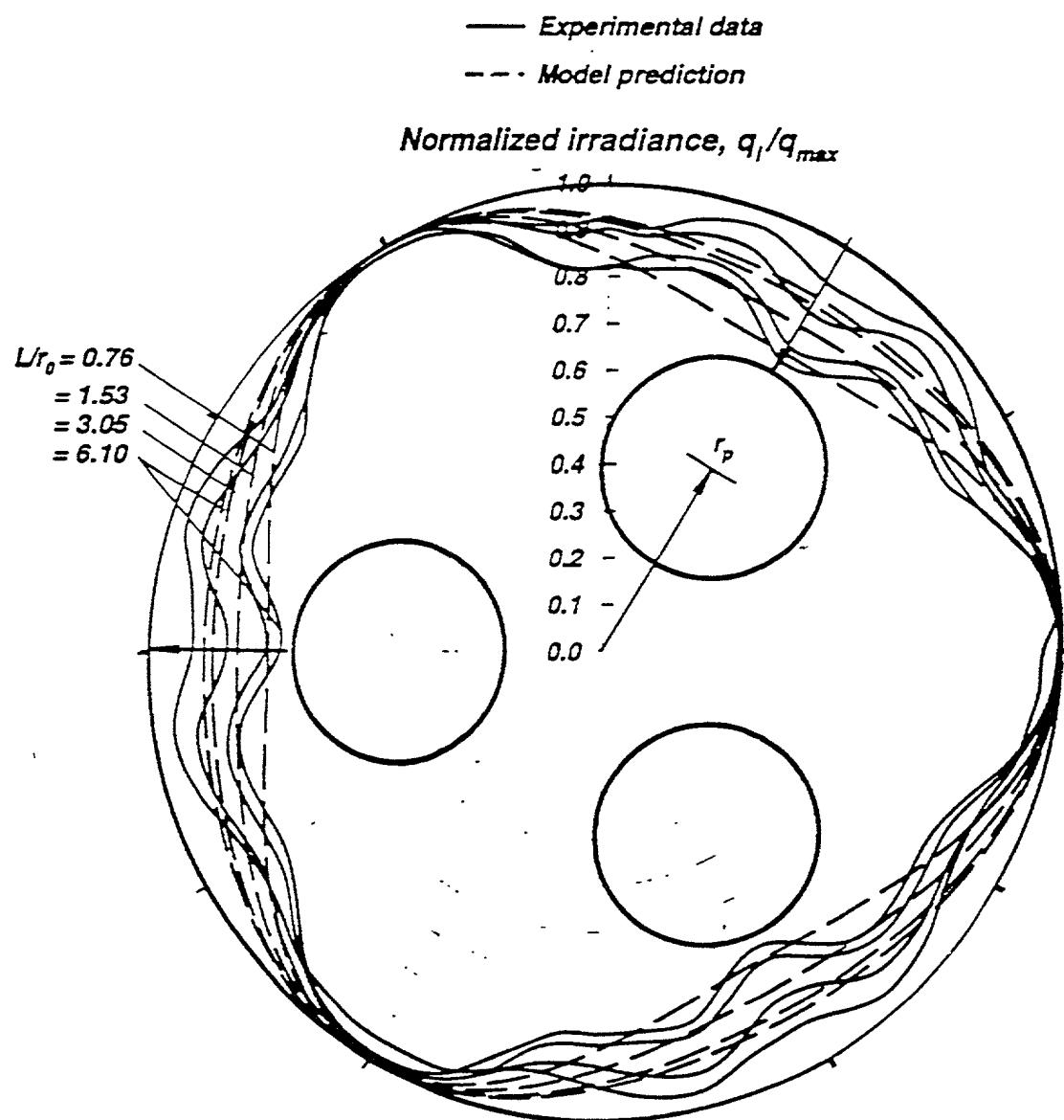
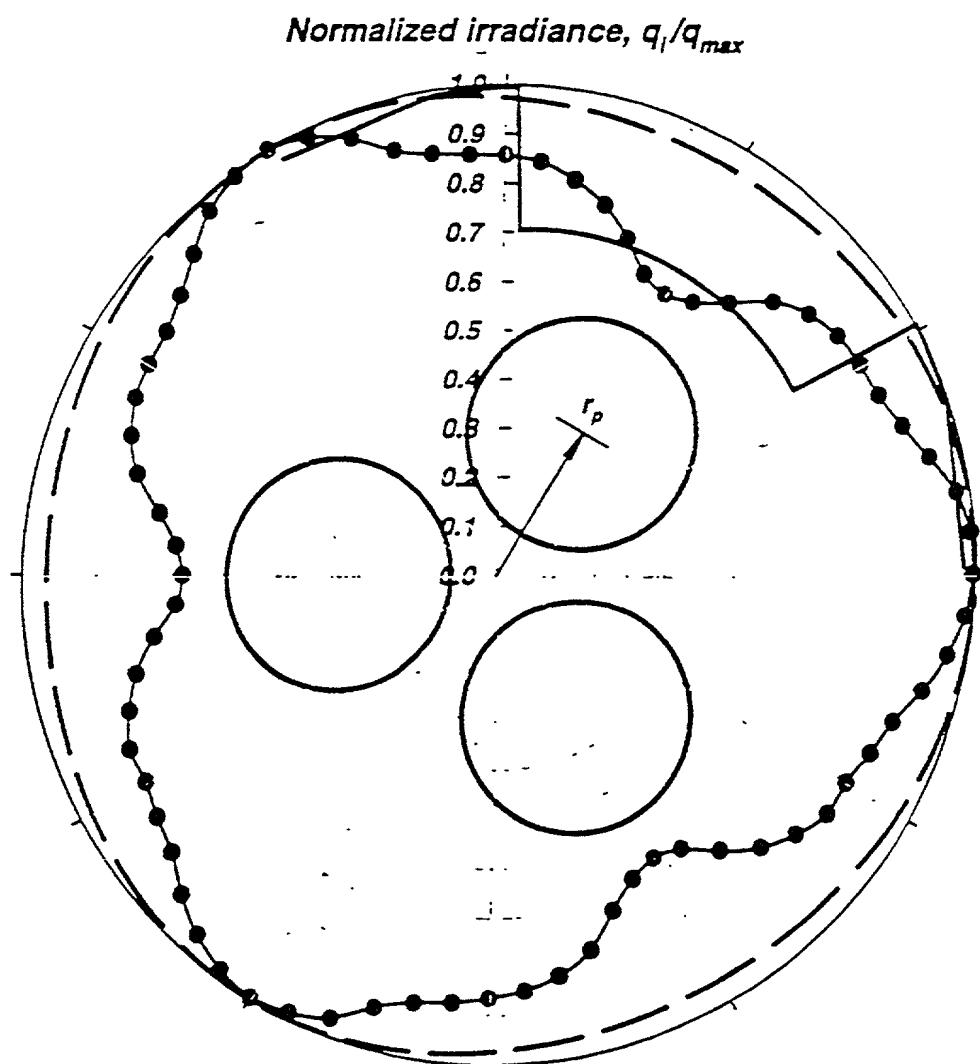


FIG. 5

- *Experimental data*
- *simple line source model prediction*
- *line source with refraction model prediction*



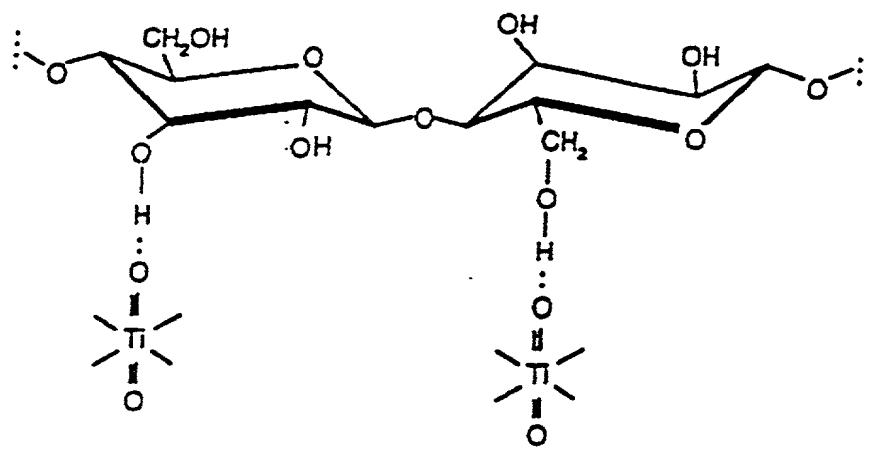


FIG. 6

FIG. 7a

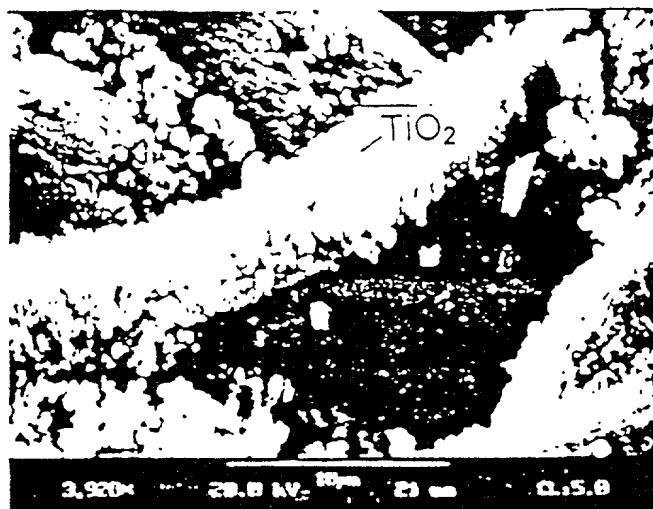


FIG. 7b
(PRIOR ART)



FIG. 7c
(PRIOR ART)

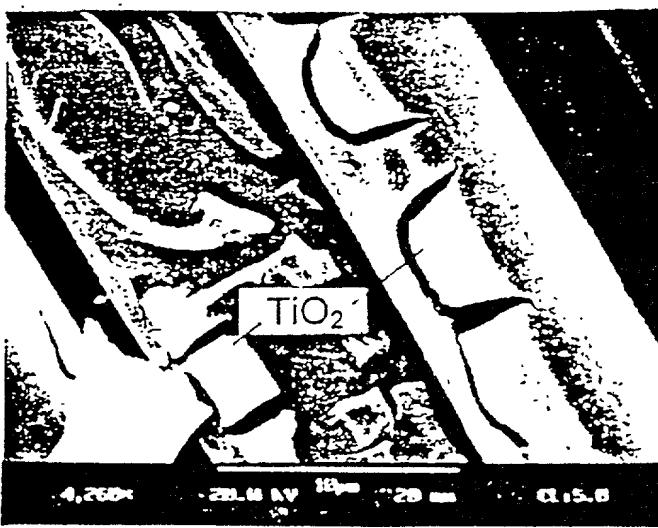


FIG. 8a

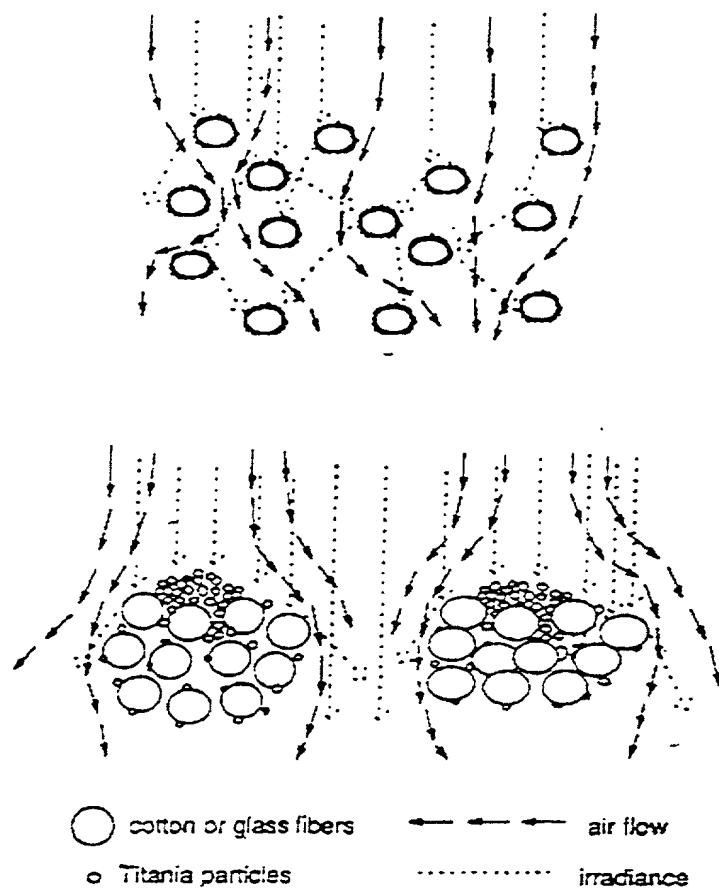


FIG. 8b

(PRIOR ART)

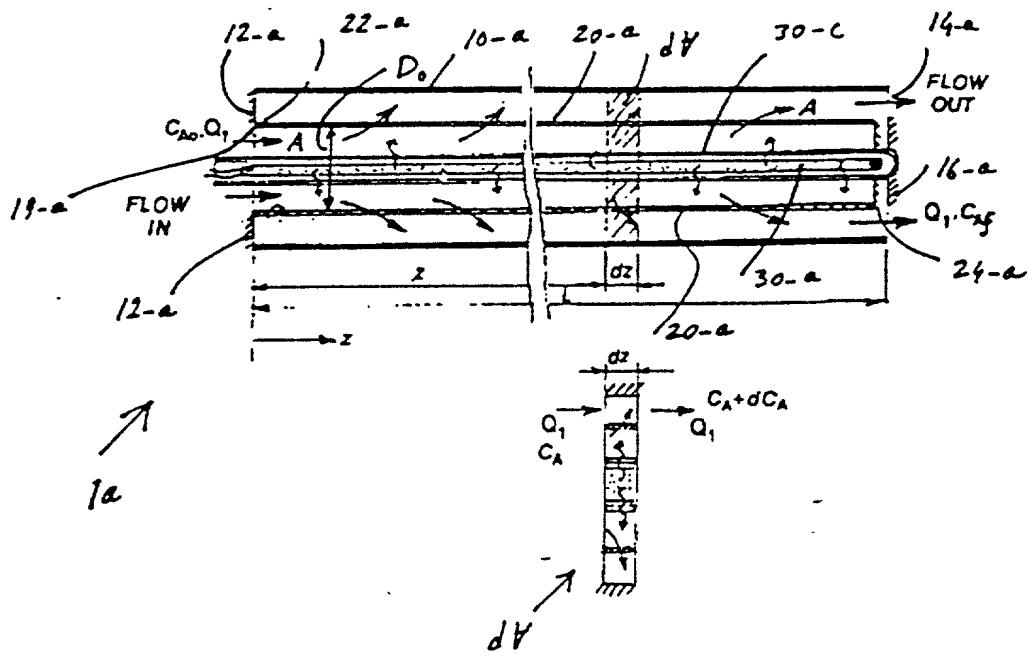


FIG. 9a

FIG. 9b

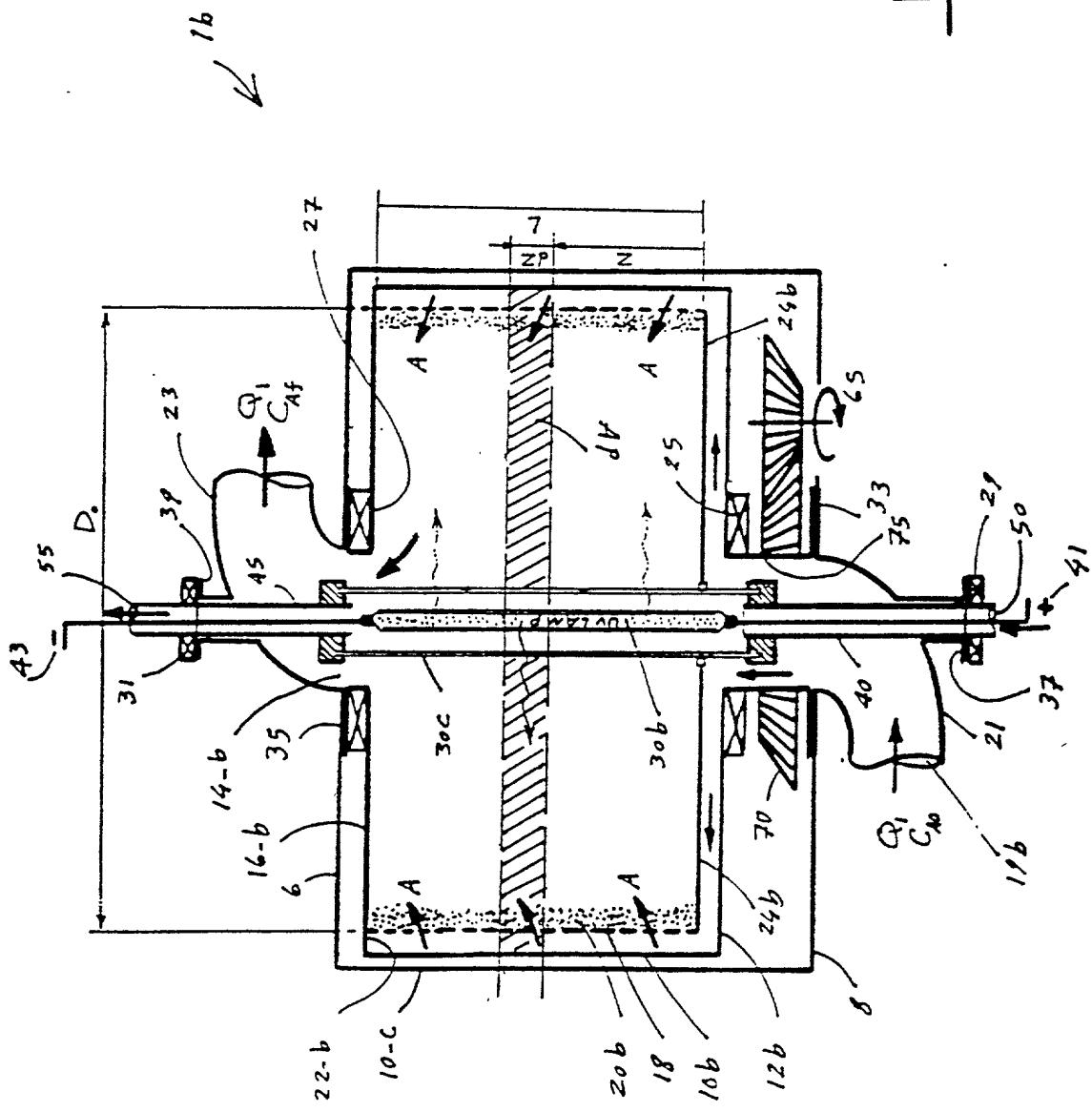
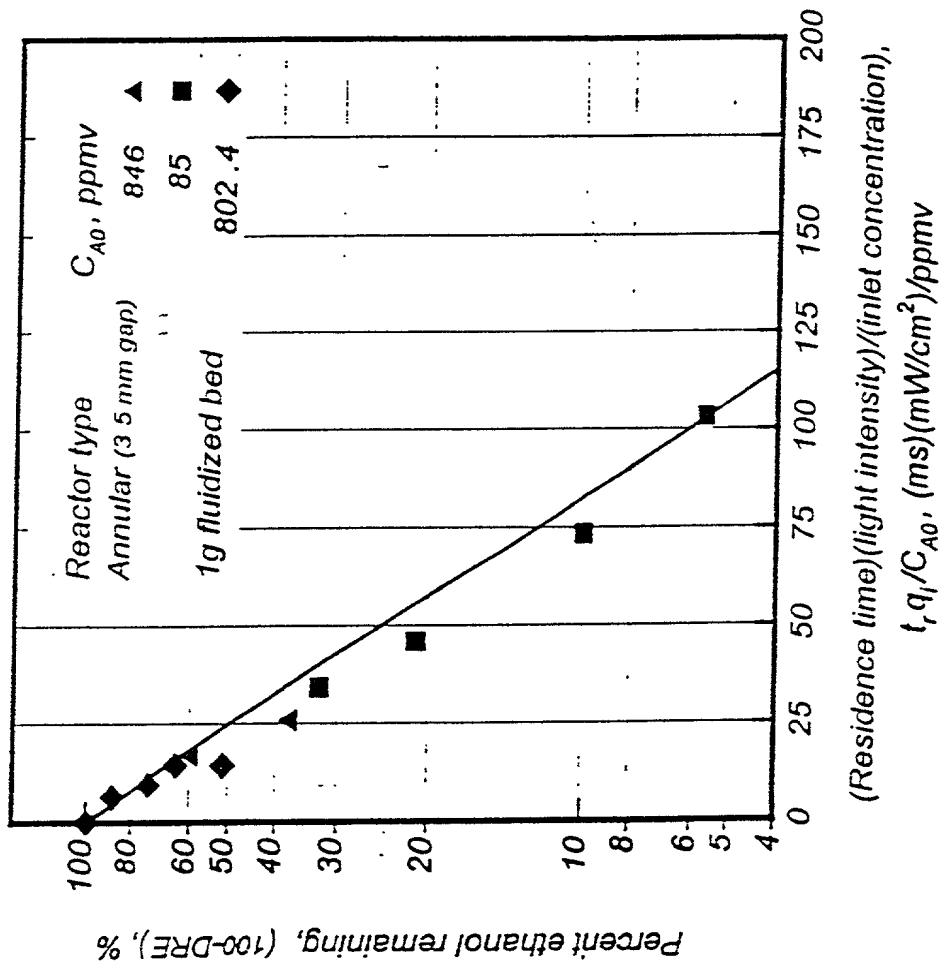


FIG. 10



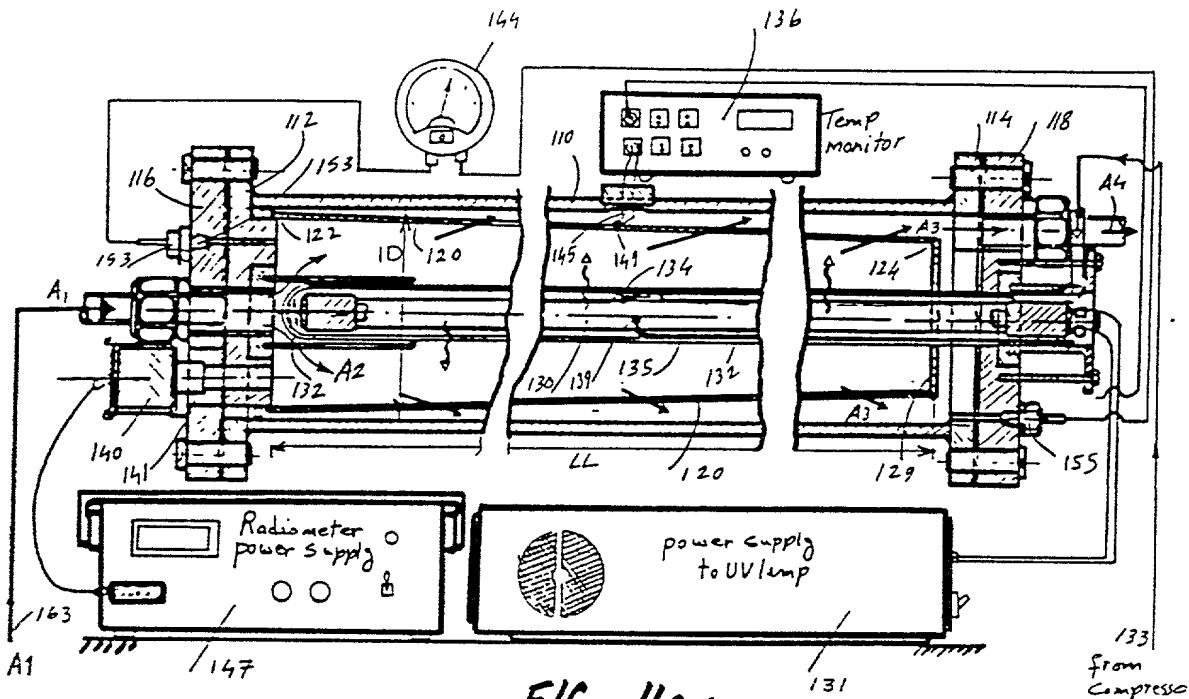


FIG. 11a

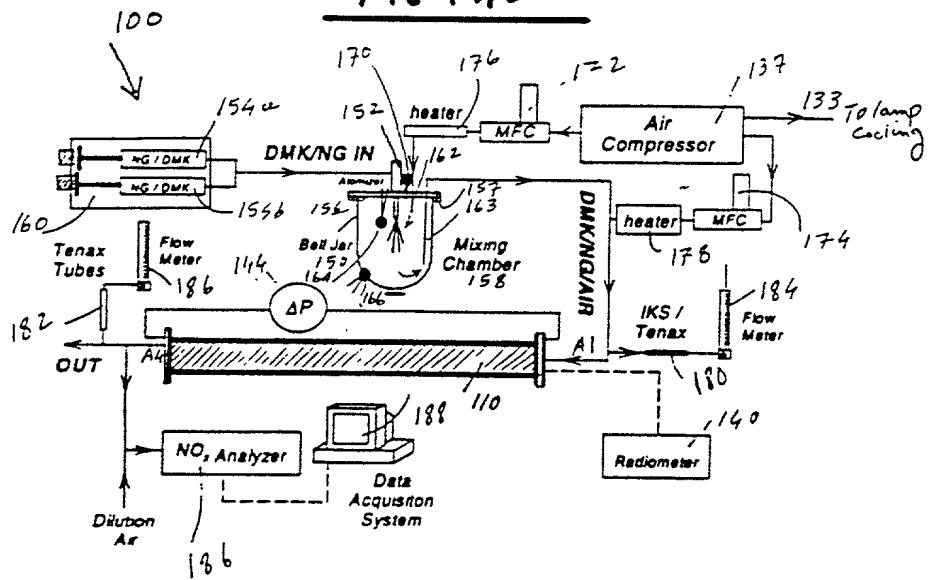


FIG. 11b

FIG. 12

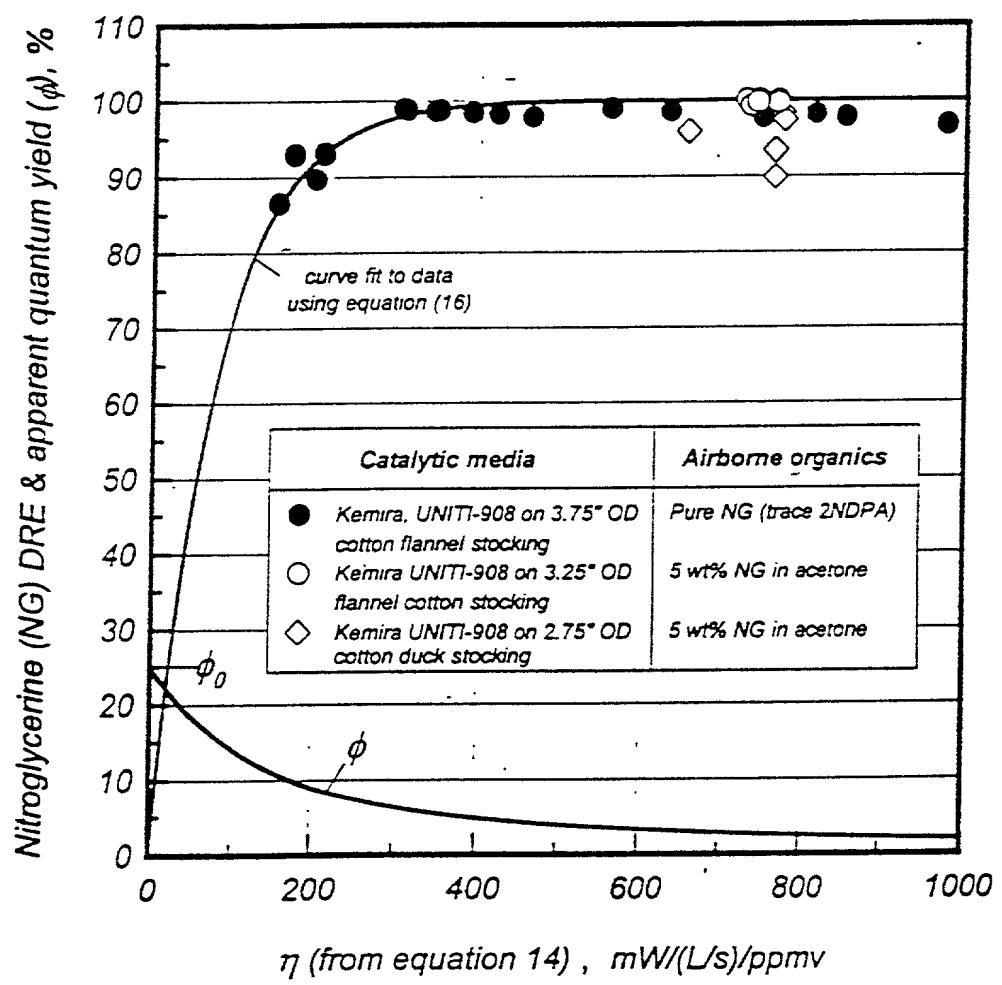
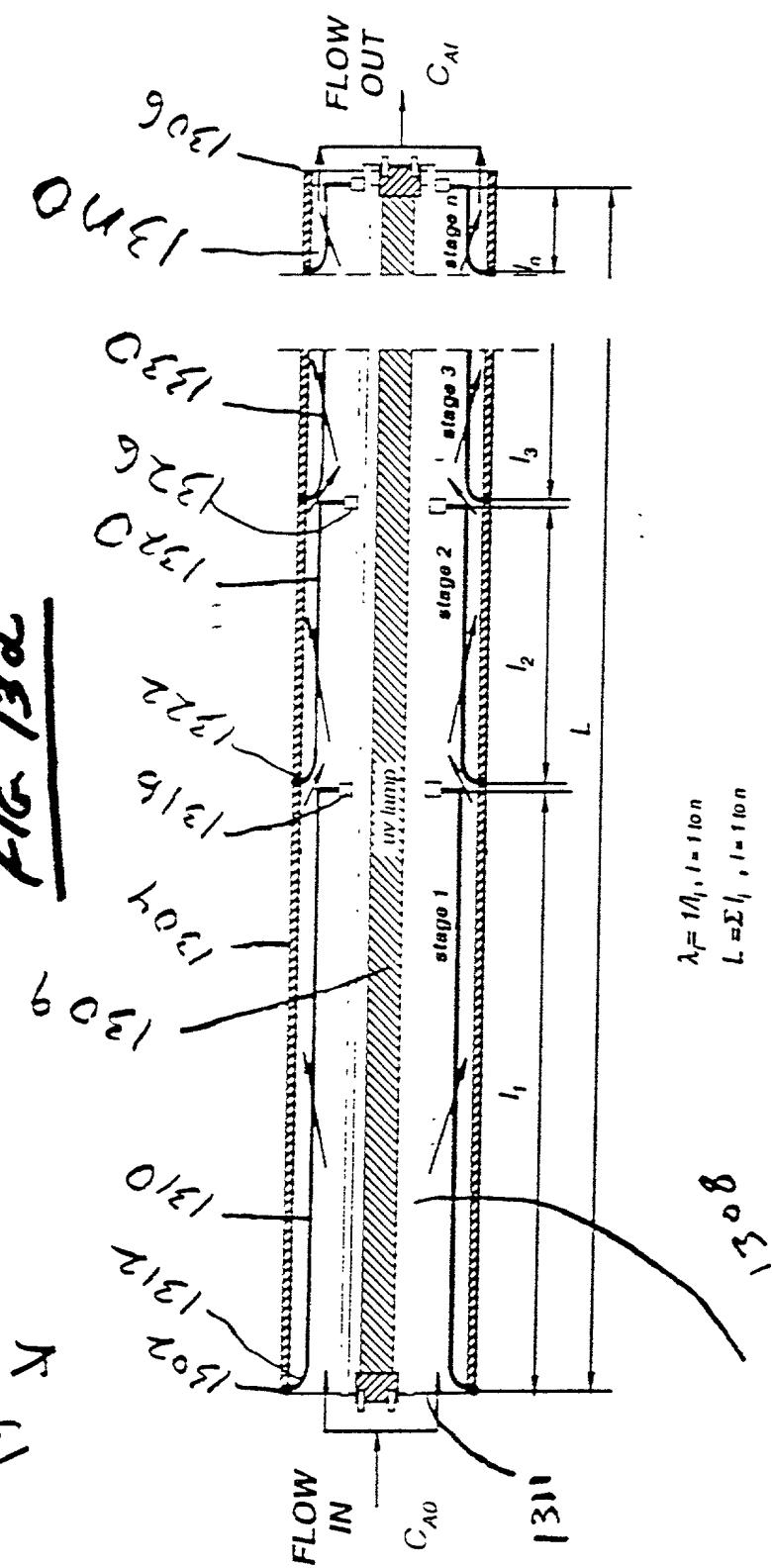


Fig 11

Fig 13a



$$\lambda_i = 1/l_i, i = 1 \text{ to } n$$

$$L = \sum l_i, i = 1 \text{ to } n$$

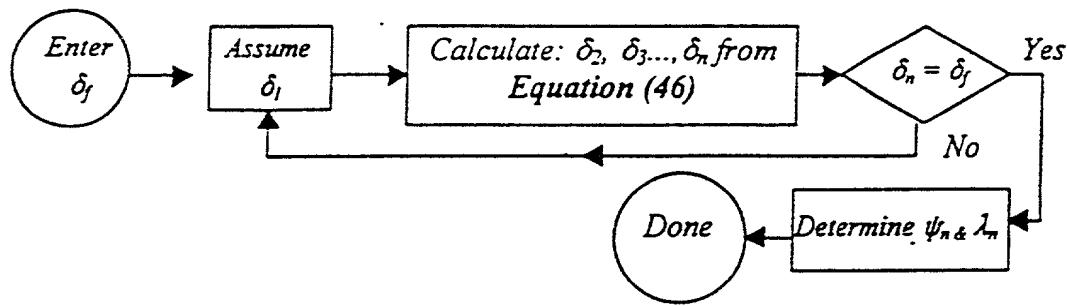


FIG. 13b

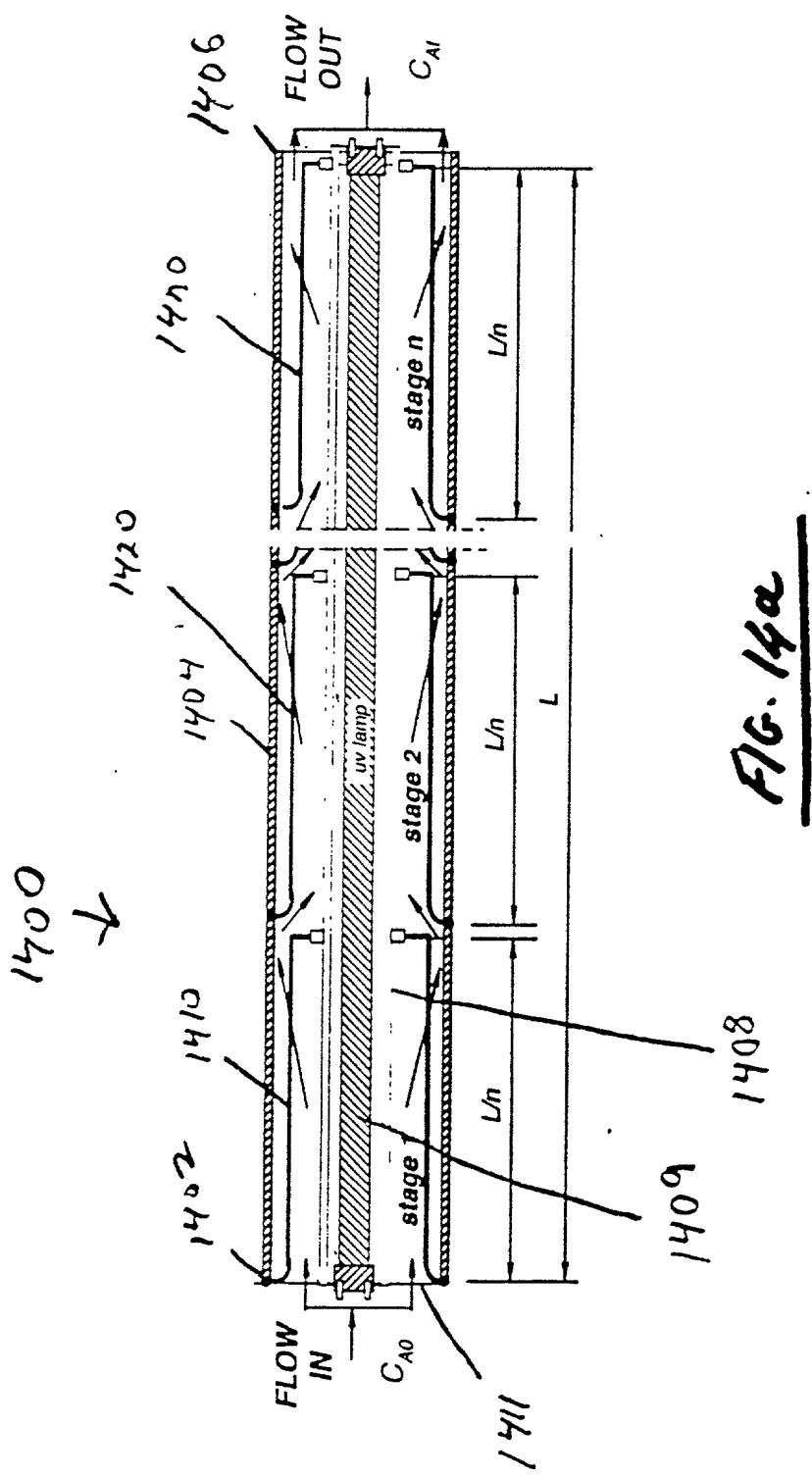


Fig. 14a

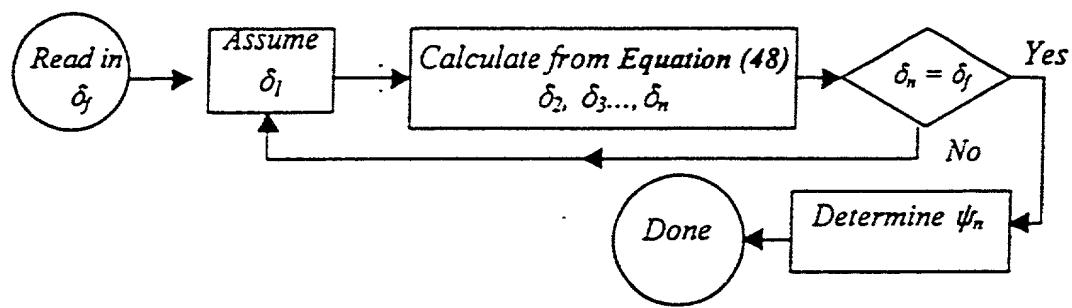


FIG. 14b

1440

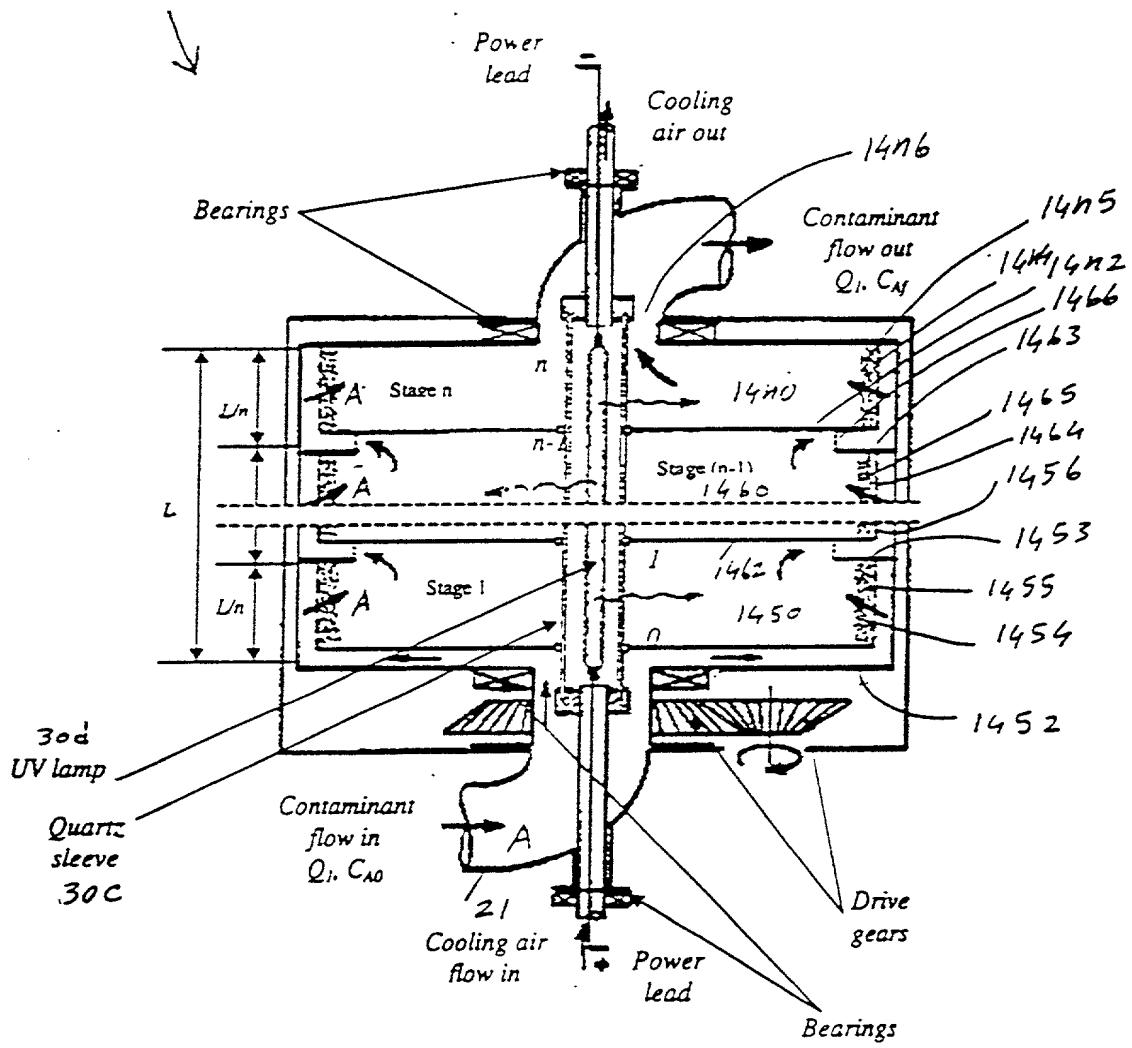
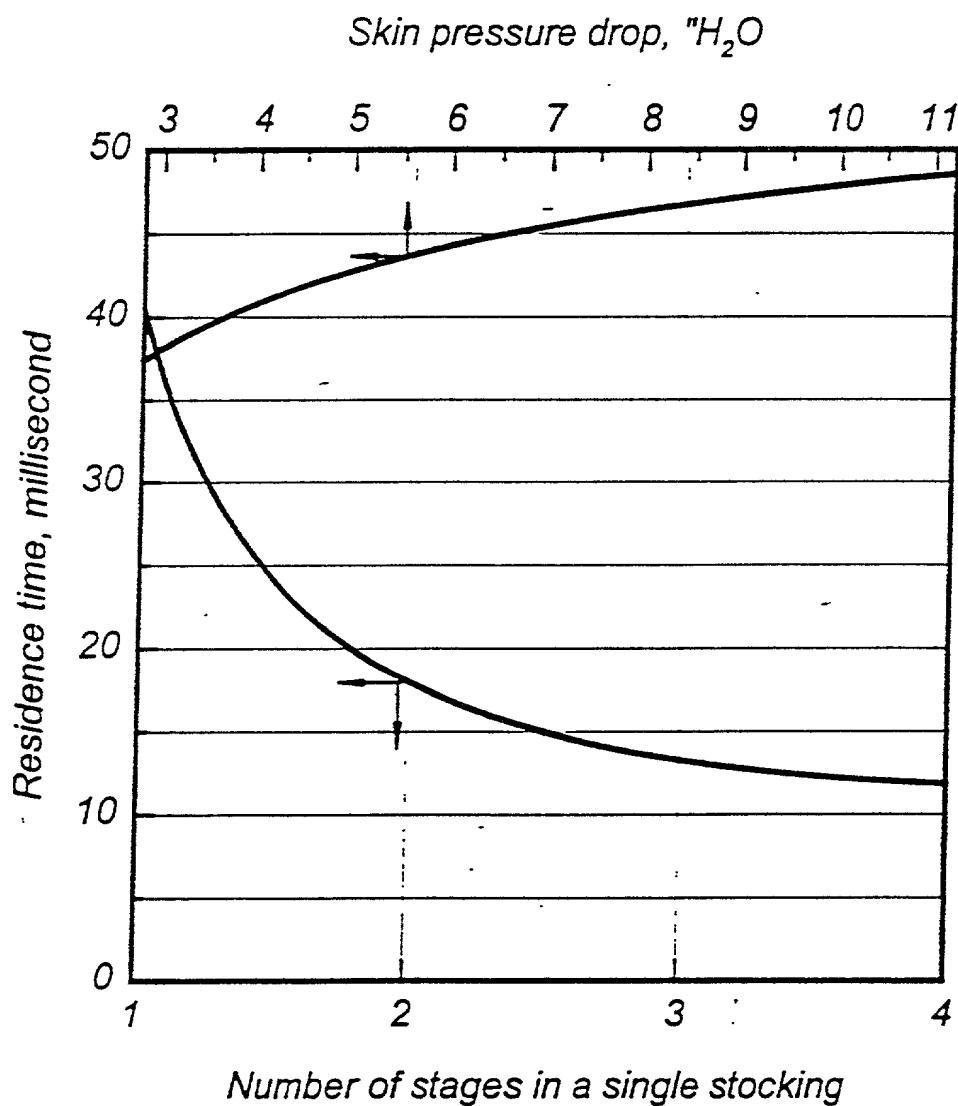


FIG. 14C

FIG. 15



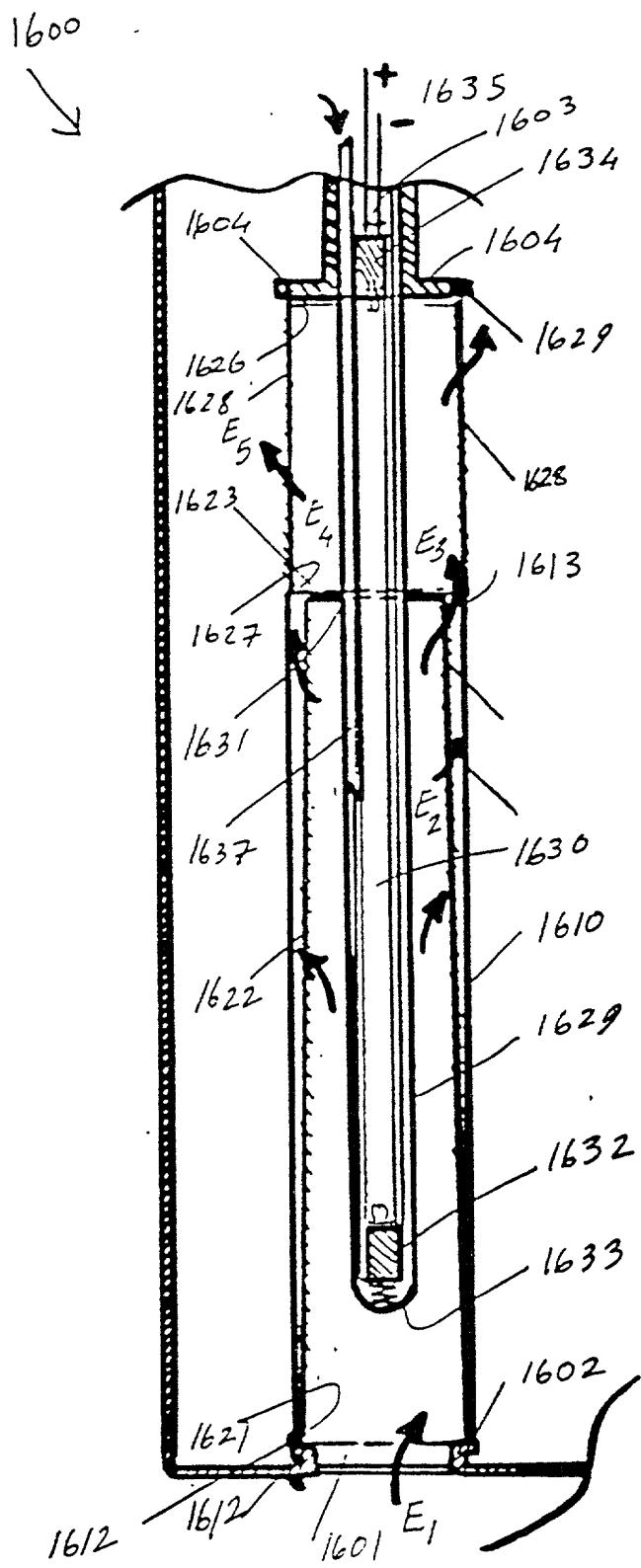


FIG. 16

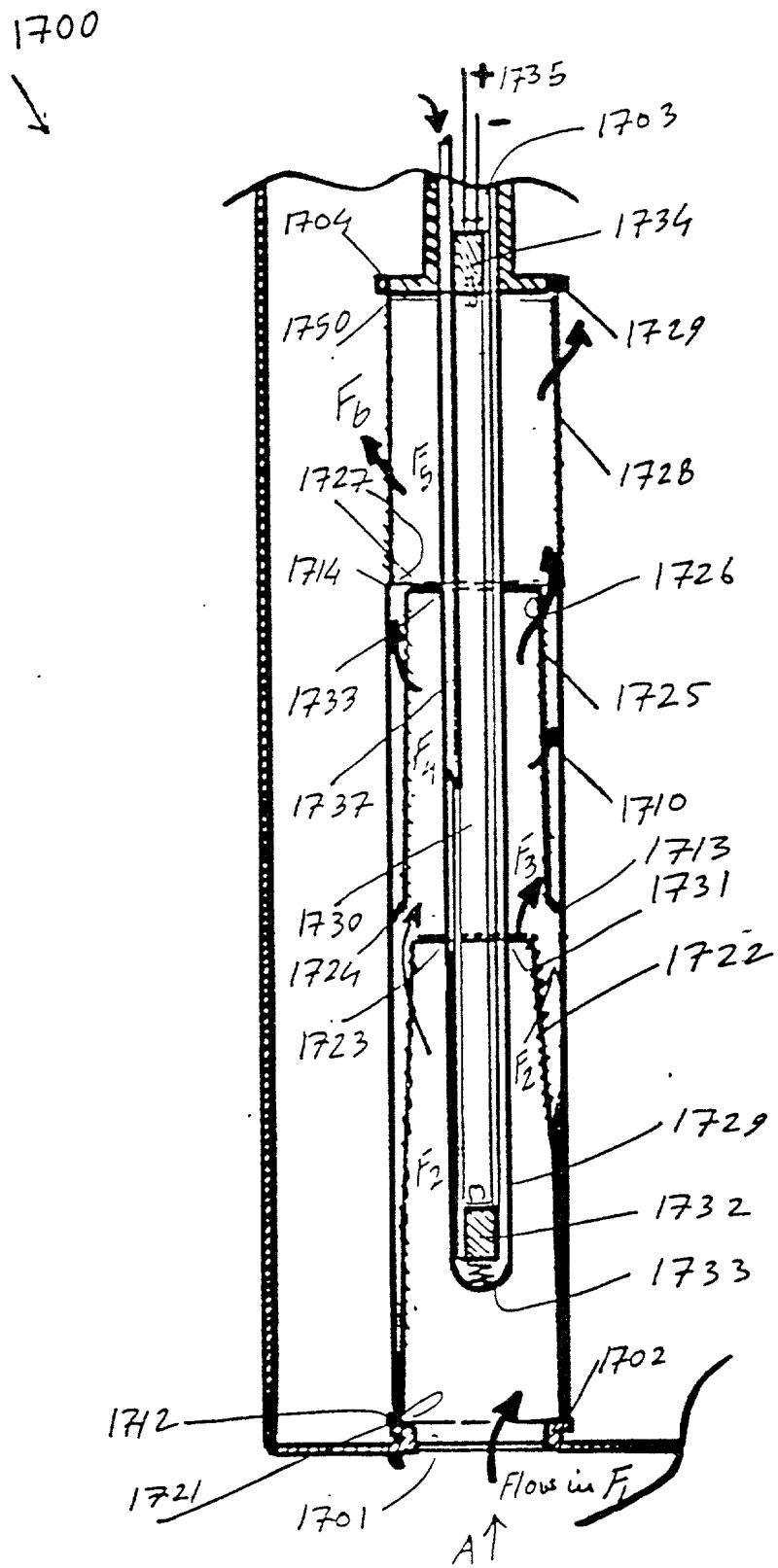


FIG. 17

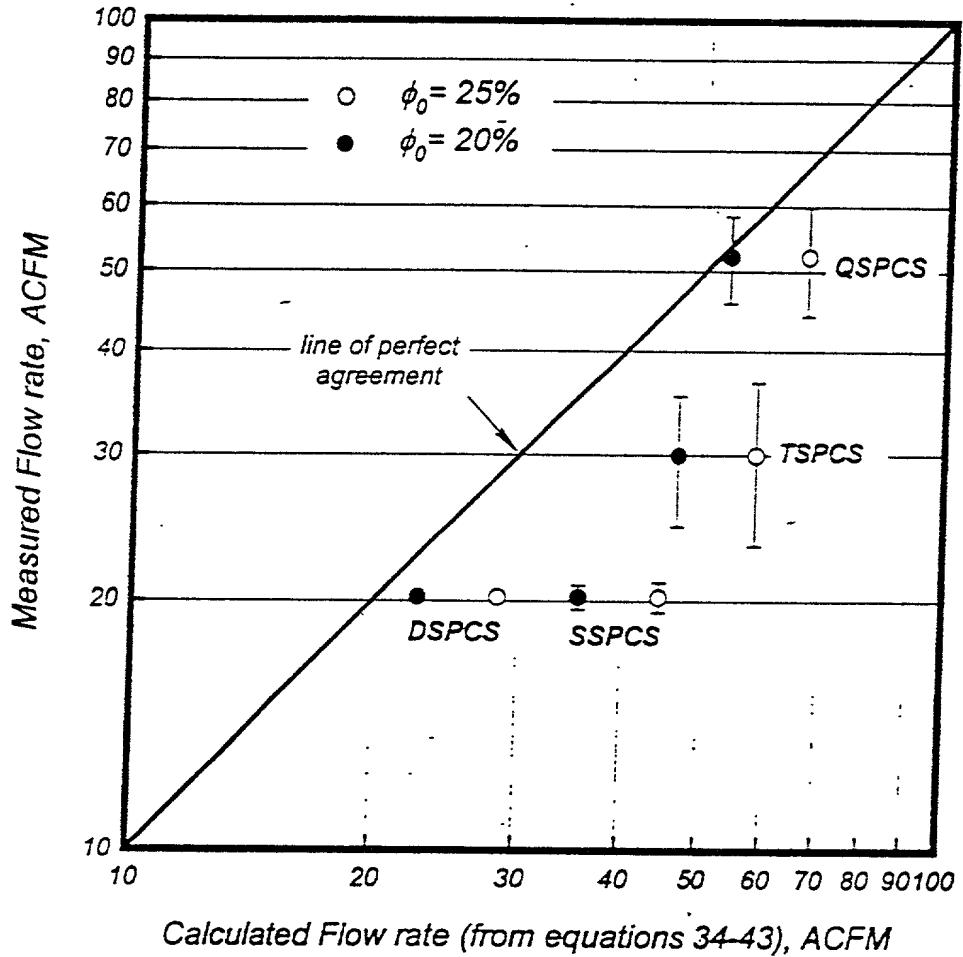
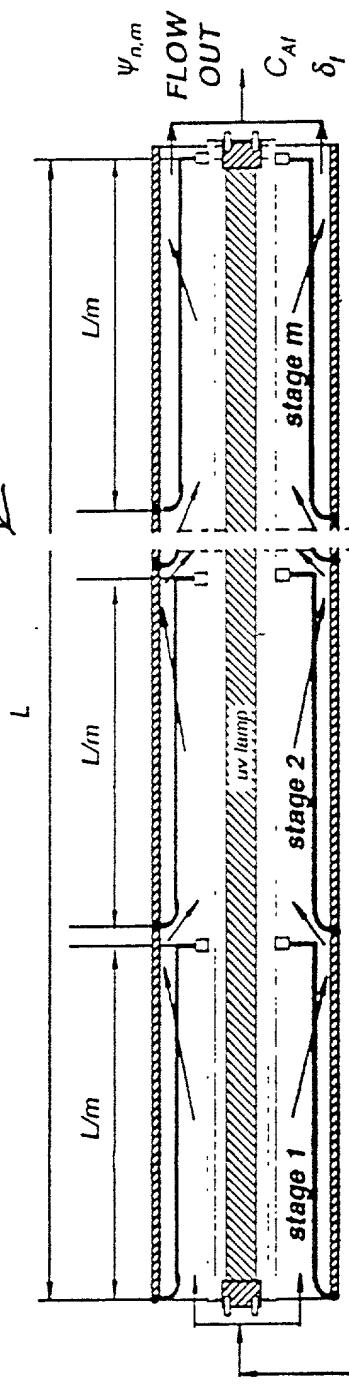
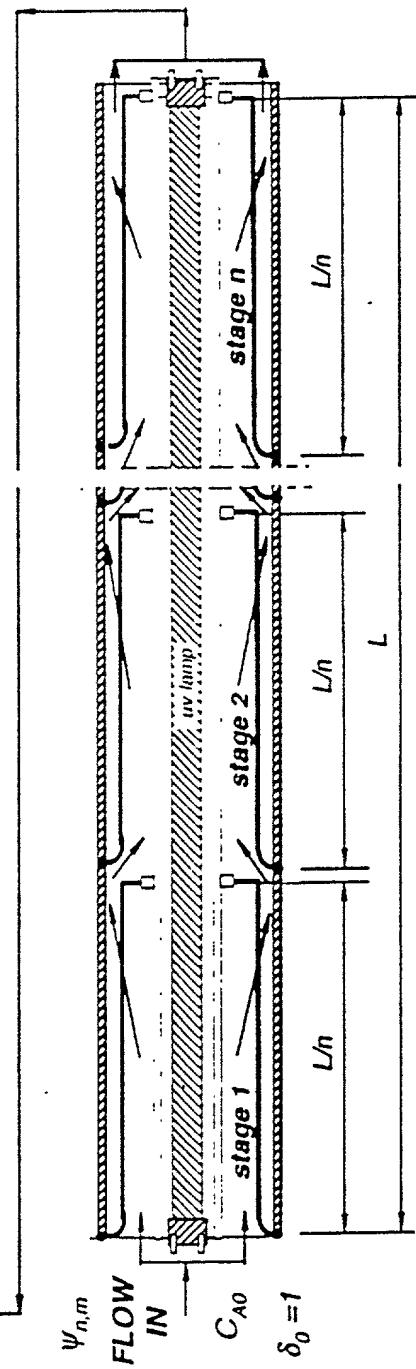


FIG. 18

1900'



B



1900

A

Fig. 192

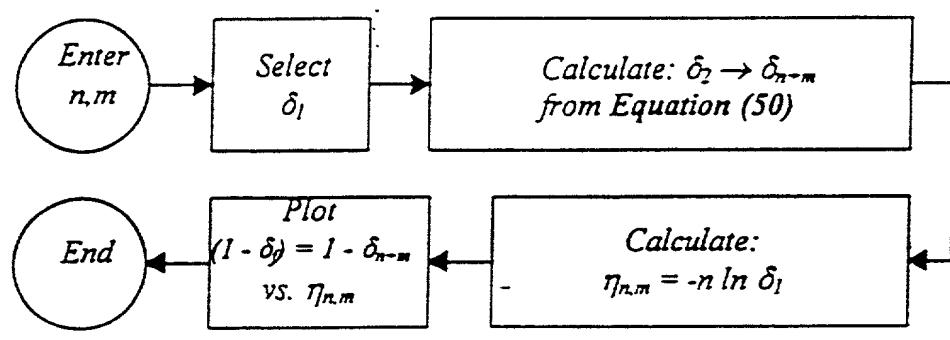
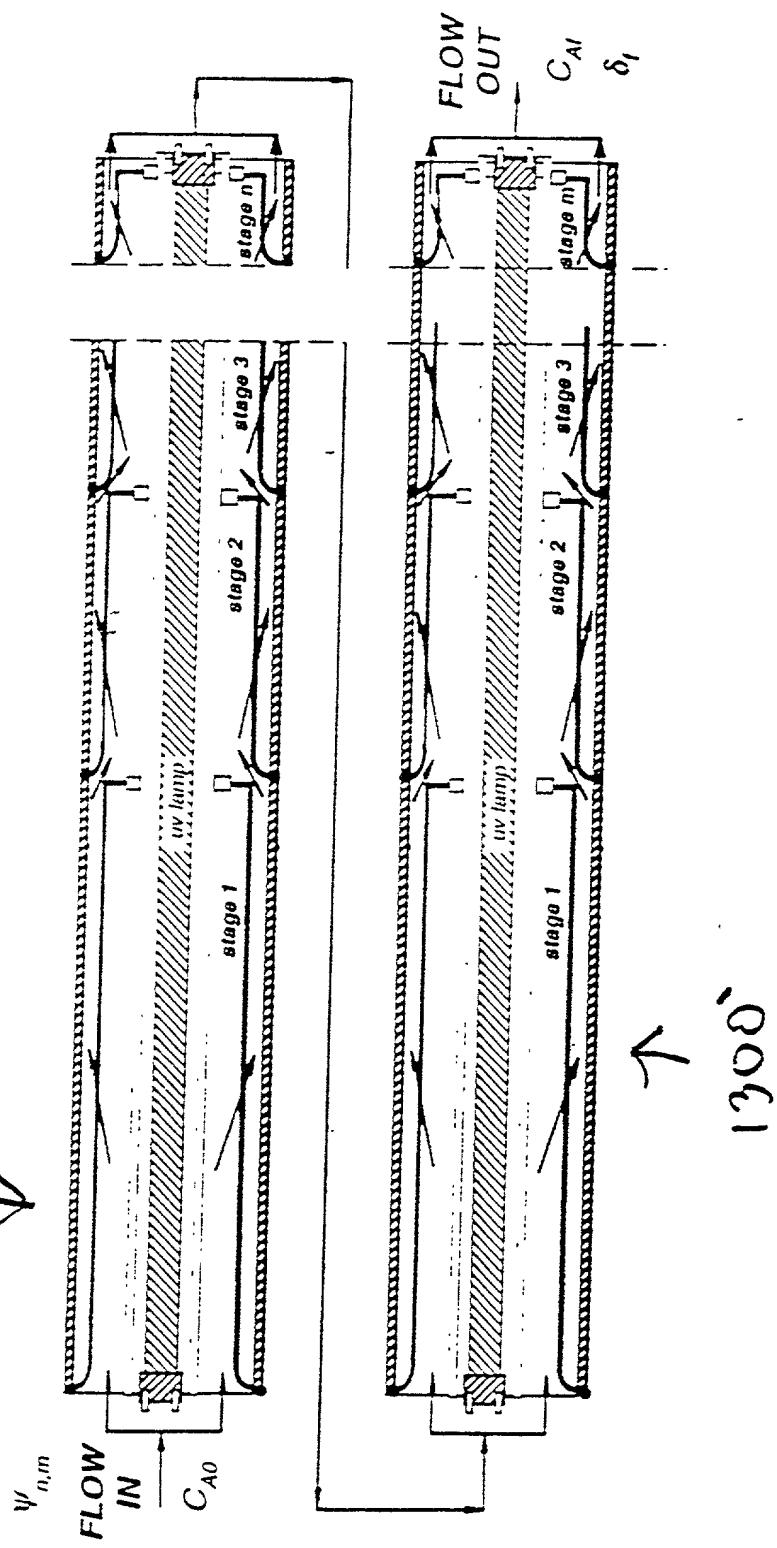


FIG. 19b

FIG. 19c

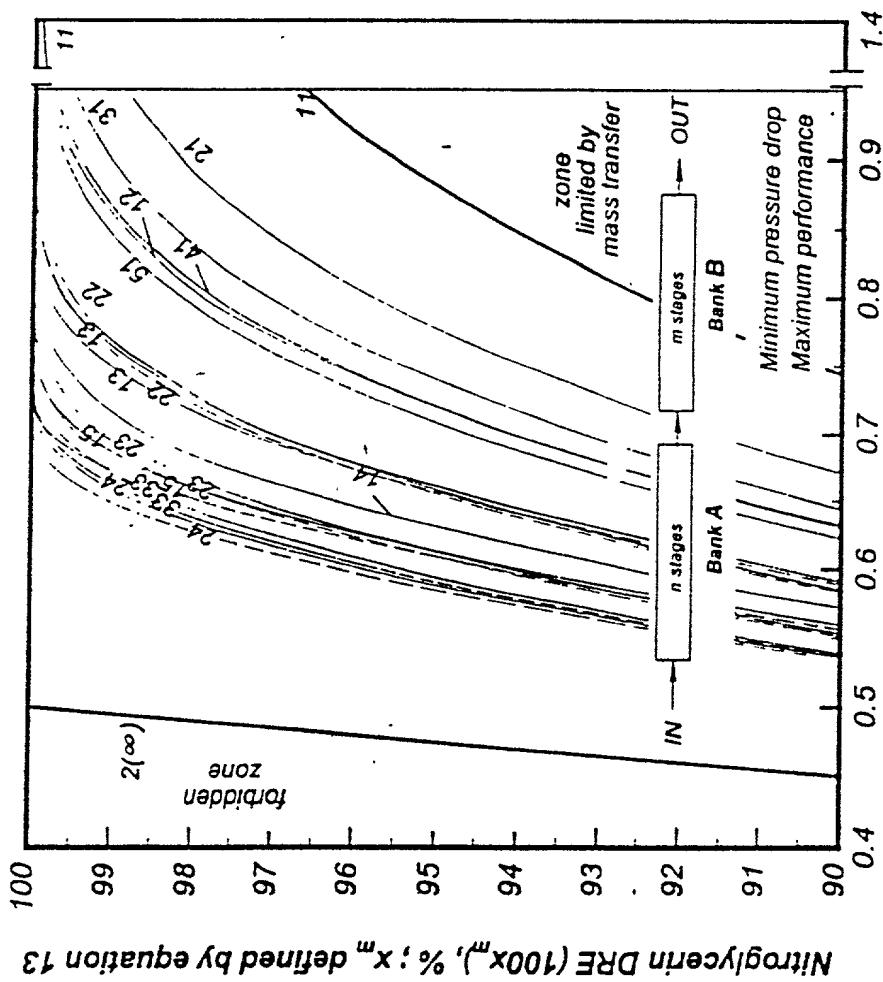
130°



↑

130°

FIG. 20



Parameter η (defined by equation 14)

2100

1900

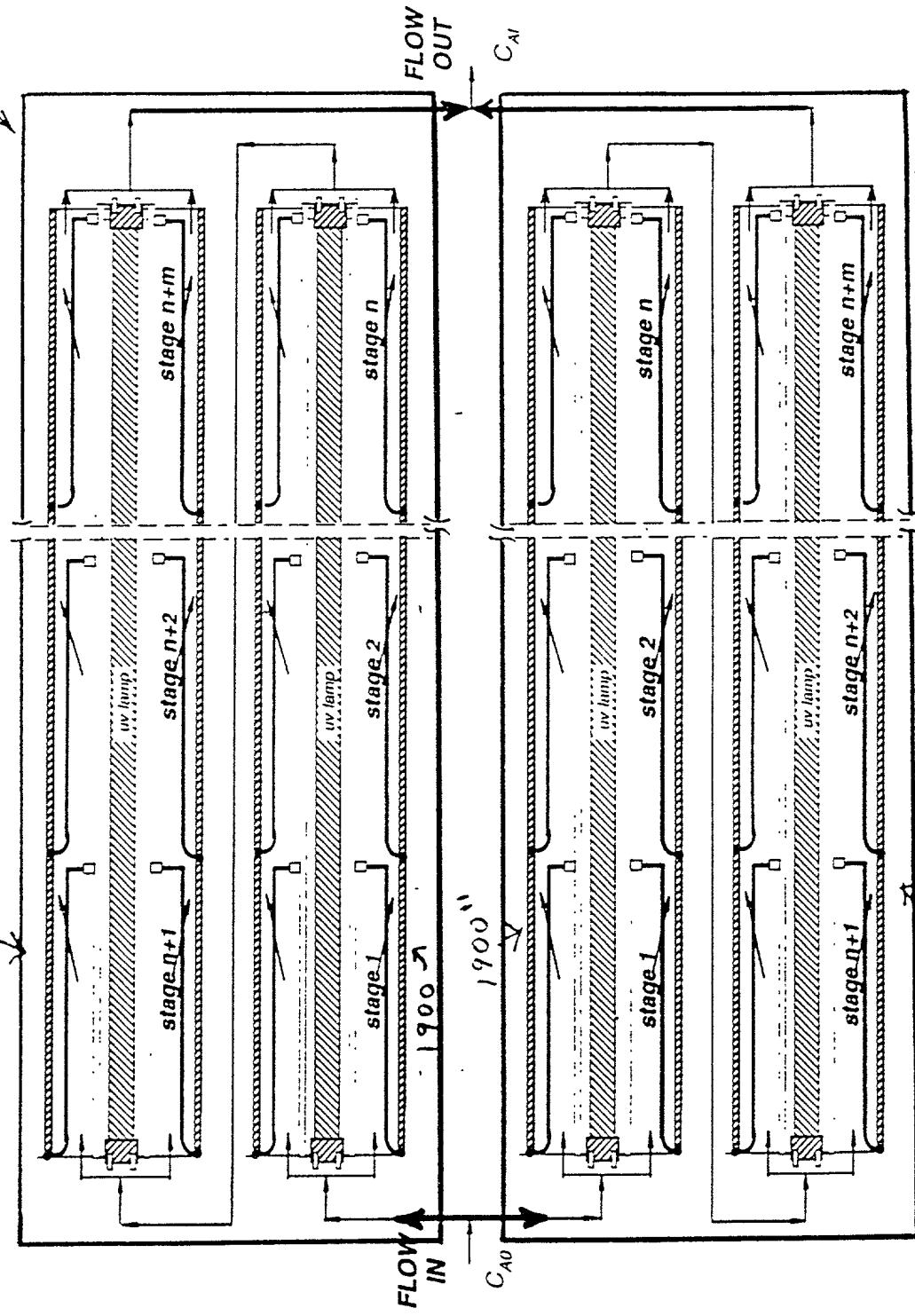


FIG. 212

1900"

2100

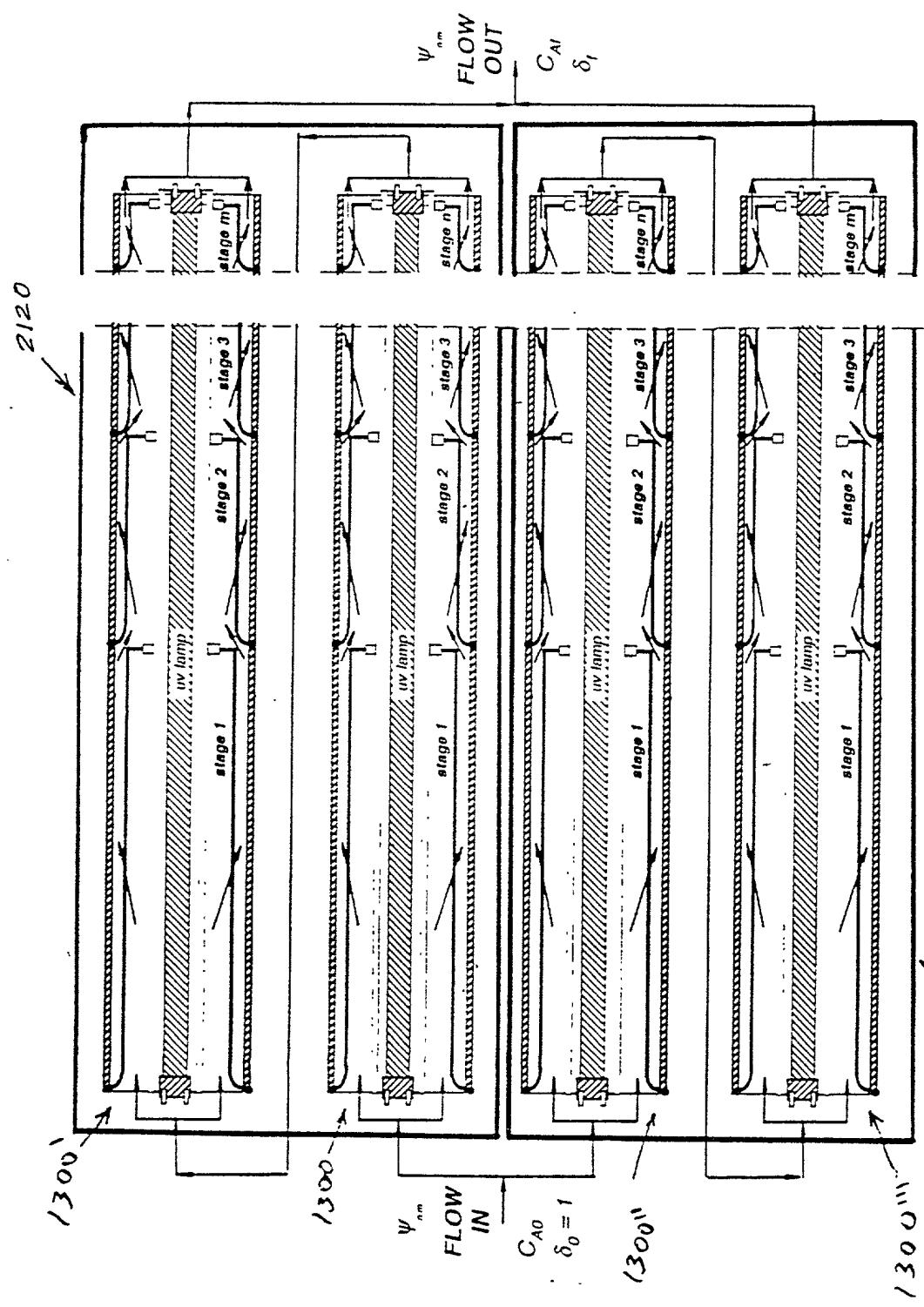


FIG. 21b

1
2130

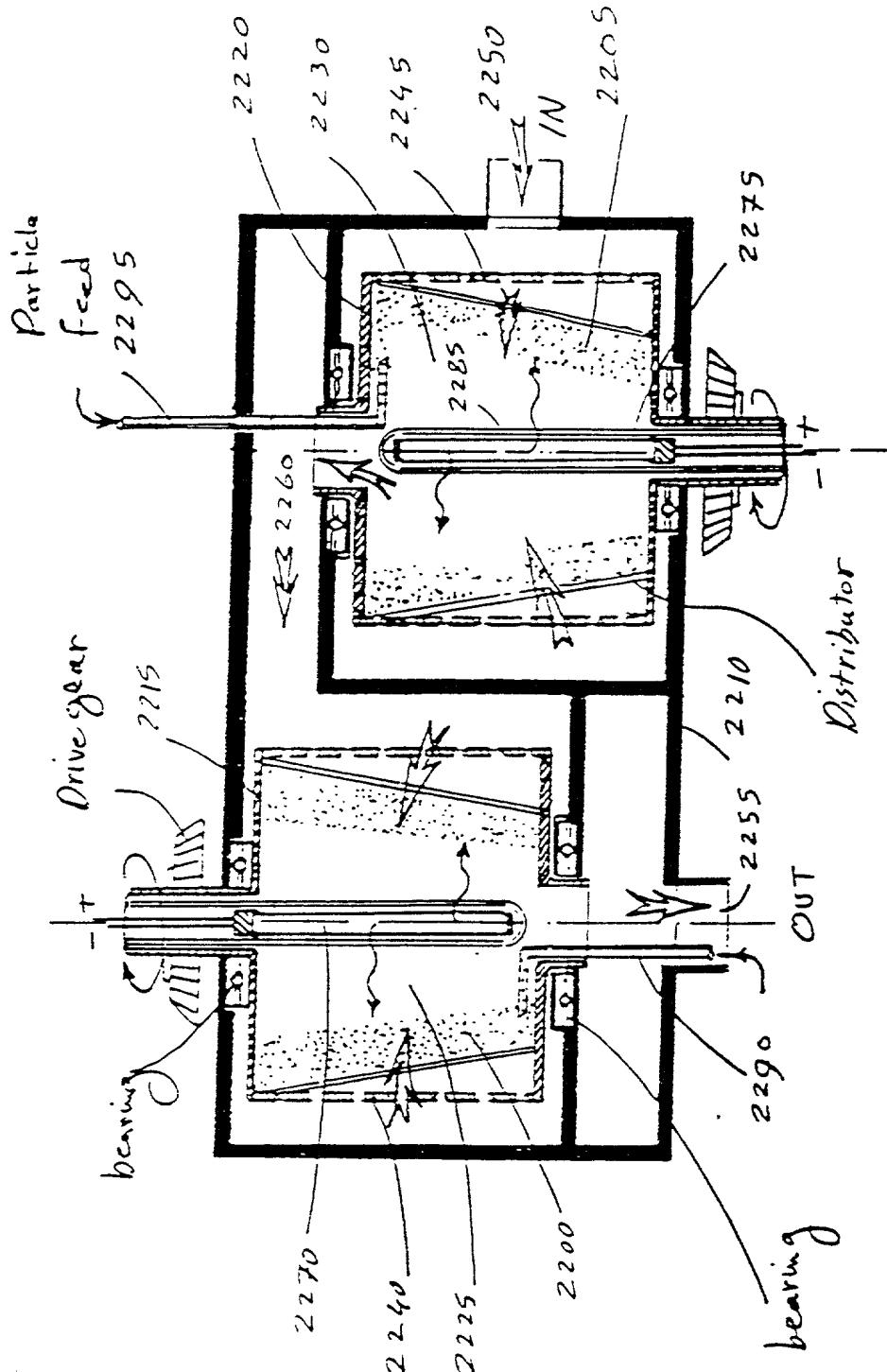


FIG. 22